

Amendments to the Claims

1.- 29. (canceled)

30. (original) A hybrid rocket motor, comprising:

- a) a container having a first fluid reactant therein and an outlet;
- b) a main combustion chamber containing a solid reactant therein;
- c) a main injector between said container and said main combustion chamber, said main injector having a face with a plurality of pathways through which said first fluid reactant is injected into said main combustion chamber to be combusted with said solid reactant;
- d) a precombustion chamber at a head end of said main combustion chamber;
- e) a second solid reactant stored in said precombustion chamber; and
- f) a second fluid reactant stored outside said precombustion chamber and adapted to be combusted with said second solid reactant,

wherein when said second fluid reactant is contacted with said second solid reactant and combusted therewith, heat is generated adjacent said face of said main injector.

31. (original) A hybrid rocket motor according to claim 30, wherein:

said first fluid reactant is an oxidizer, and said first solid reactant is a fuel.

32. (original) A hybrid rocket motor according to claim ~~19~~ 30,  
wherein:

said second fluid reactant is an oxidizer, and said second  
solid reactant is a fuel.

33. (original) A hybrid rocket motor according to claim ~~19~~ 30,  
wherein:

said main injector extends substantially through an entirety  
of a length of said precombustion chamber such that an annular  
exit nozzle for said precombustion chamber is defined about said  
face of said main injector.

34. - 48. (canceled)